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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/844,281

DATE: 11/13/2001

TIME: 14:54:31

Input Set : A:\09844281.txt

Output Set: N:\CRF3\11132001\I844281.raw

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3 <110> APPLICANT: Mangold, Beverly L.
4 Aldrich, Jennifer L.
5 O'Brien, Thomas
7 <120> TITLE OF INVENTION: Anthrax Specific Antibodies
9 <130> FILE REFERENCE: 38602.0003
11 <140> CURRENT APPLICATION NUMBER: 09/844,281
12 <141> CURRENT FILING DATE: 2001-04-30
14 <150> PRIOR APPLICATION NUMBER: 60/200,505
15 <151> PRIOR FILING DATE: 2000-04-28
17 <160> NUMBER OF SEQ ID NOS: 3
19 <170> SOFTWARE: PatentIn version 3.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 833
23 <212> TYPE: PRT
24 <213> ORGANISM: Bacillus anthracis
26 <400> SEQUENCE: 1
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29 1 5 10 15
32 Ser Ile Asn Tyr Leu Val Asp Lys Gly Ala Ile Thr Gly Lys Pro Asp
33 20 25 30
36 Gly Thr Tyr Gly Pro Thr Glu Ser Ile Asp Arg Ala Ser Ala Ala Val
37 35 40 45
40 Ile Phe Thr Lys Ile Leu Asn Leu Pro Val Asp Glu Asn Ala Gln Pro
41 50 55 60
44 Ser Phe Lys Asp Ala Lys Asn Ile Trp Ser Ser Lys Tyr Ile Ala Ala
45 65 70 75 80
48 Val Glu Lys Ala Gly Val Val Lys Gly Asp Gly Lys Glu Asn Phe Tyr
49 85 90 95
52 Pro Glu Gly Lys Ile Asp Arg Ala Ser Phe Ala Ser Met Leu Val Ser
53 100 105 110
56 Ala Tyr Asn Leu Lys Asp Lys Val Asn Gly Glu Leu Val Thr Thr Phe
57 115 120 125
60 Glu Asp Leu Leu Asp His Trp Gly Glu Glu Lys Ala Asn Ile Leu Ile
61 130 135 140
64 Asn Leu Gly Ile Ser Val Gly Thr Gly Gly Lys Trp Glu Pro Asn Lys
65 145 150 155 160
68 Ser Val Ser Arg Ala Glu Ala Ala Gln Phe Ile Ala Leu Thr Asp Lys
69 165 170 175
72 Lys Tyr Gly Lys Lys Asp Asn Ala Gln Ala Tyr Val Thr Asp Val Lys
73 180 185 190
76 Val Ser Glu Pro Thr Lys Leu Thr Leu Thr Gly Thr Gly Leu Asp Lys
77 195 200 205
80 Leu Ser Ala Asp Asp Val Thr Leu Glu Gly Asp Lys Ala Val Ala Ile
81 210 215 220
84 Glu Ala Ser Thr Asp Gly Thr Ser Ala Val Val Thr Leu Gly Gly Lys
85 225 230 235 240
88 Val Ala Pro Asn Lys Asp Leu Thr Val Lys Val Lys Asn Gln Ser Phe

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89          245          250          255
92 Val Thr Lys Phe Val Tyr Glu Val Lys Lys Leu Ala Val Glu Lys Leu
93          260          265          270
96 Thr Phe Asp Asp Asp Arg Ala Gly Gln Ala Ile Ala Phe Lys Leu Asn
97          275          280          285
100 Asp Glu Lys Gly Asn Ala Asp Val Glu Tyr Leu Asn Leu Ala Asn His
101          290          295          300
104 Asp Val Lys Phe Val Ala Asn Asn Leu Asp Gly Ser Pro Ala Asn Ile
105 305          310          315          320
108 Phe Glu Gly Gly Glu Ala Thr Ser Thr Thr Gly Lys Leu Ala Val Gly
109          325          330          335
112 Ile Lys Gln Gly Asp Tyr Lys Val Glu Val Gln Val Thr Lys Arg Gly
113          340          345          350
116 Gly Leu Thr Val Ser Asn Thr Gly Ile Ile Thr Val Lys Asn Leu Asp
117          355          360          365
120 Thr Pro Ala Ser Ala Ile Lys Asn Val Val Phe Ala Leu Asp Ala Asp
121          370          375          380
124 Asn Asp Gly Val Val Asn Tyr Gly Ser Lys Leu Ser Gly Lys Asp Phe
125 385          390          395          400
128 Ala Leu Asn Ser Gln Asn Leu Val Val Gly Glu Lys Ala Ser Leu Asn
129          405          410          415
132 Lys Leu Val Ala Thr Ile Ala Gly Glu Asp Lys Val Val Asp Pro Gly
133          420          425          430
136 Ser Ile Ser Ile Lys Ser Ser Asn His Gly Ile Ile Ser Val Val Asn
137          435          440          445
140 Asn Tyr Ile Thr Ala Glu Ala Ala Gly Glu Ala Thr Leu Thr Ile Lys
141          450          455          460
144 Val Gly Asp Val Thr Lys Asp Val Lys Phe Lys Val Thr Thr Asp Ser
145 465          470          475          480
148 Arg Lys Leu Val Ser Val Lys Ala Asn Pro Asp Lys Leu Gln Val Val
149          485          490          495
152 Gln Asn Lys Thr Leu Pro Val Thr Phe Val Thr Thr Asp Gln Tyr Gly
153          500          505          510
156 Asp Pro Phe Gly Ala Asn Thr Ala Ala Ile Lys Glu Val Leu Pro Lys
157          515          520          525
160 Thr Gly Val Val Ala Glu Gly Gly Leu Asp Val Val Thr Thr Asp Ser
161          530          535          540
164 Gly Ser Ile Gly Thr Lys Thr Ile Gly Val Thr Gly Asn Asp Val Gly
165 545          550          555          560
168 Glu Gly Thr Val His Phe Gln Asn Gly Asn Gly Ala Thr Leu Gly Ser
169          565          570          575
172 Leu Tyr Val Asn Val Thr Glu Gly Asn Val Ala Phe Lys Asn Phe Glu
173          580          585          590
176 Leu Val Ser Lys Val Gly Gln Tyr Gly Gln Ser Pro Asp Thr Lys Leu
177          595          600          605
180 Asp Leu Asn Val Ser Thr Thr Val Glu Tyr Gln Leu Ser Lys Tyr Thr
181          610          615          620
184 Ser Asp Arg Val Tyr Ser Asp Pro Glu Asn Leu Glu Gly Tyr Glu Val
185 625          630          635          640

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188 Glu Ser Lys Asn Leu Ala Val Ala Asp Ala Lys Ile Val Gly Asn Lys
189                               645                               650                               655
192 Val Val Val Thr Gly Lys Thr Pro Gly Lys Val Asp Ile His Leu Thr
193                               660                               665                               670
196 Lys Asn Gly Ala Thr Ala Gly Lys Ala Thr Val Glu Ile Val Gln Glu
197                               675                               680                               685
200 Thr Ile Ala Ile Lys Ser Val Asn Phe Lys Pro Val Gln Thr Glu Asn
201                               690                               695                               700
204 Phe Val Glu Lys Lys Ile Asn Ile Gly Thr Val Leu Glu Leu Glu Lys
205 705                               710                               715                               720
208 Ser Asn Leu Asp Asp Ile Val Lys Gly Ile Asn Leu Thr Lys Glu Thr
209                               725                               730                               735
212 Gln His Lys Val Arg Val Val Lys Ser Gly Ala Glu Gln Gly Lys Leu
213                               740                               745                               750
216 Tyr Leu Asp Arg Asn Gly Asp Ala Val Phe Asn Ala Gly Asp Val Lys
217                               755                               760                               765
220 Leu Gly Asp Val Thr Val Ser Gln Thr Ser Asp Ser Ala Leu Pro Asn
221                               770                               775                               780
224 Phe Lys Ala Asp Leu Tyr Asp Thr Leu Thr Thr Lys Tyr Thr Asp Lys
225 785                               790                               795                               800
228 Gly Thr Leu Val Phe Lys Val Leu Lys Asp Lys Asp Val Ile Thr Ser
229                               805                               810                               815
232 Glu Ile Gly Ser Gln Ala Val His Val Asn Val Leu Asn Asn Pro Asn
233                               820                               825                               830
236 Leu
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241 <211> LENGTH: 12
242 <212> TYPE: PRT
243 <213> ORGANISM: Bacillus anthracis
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252 <211> LENGTH: 12
253 <212> TYPE: PRT
254 <213> ORGANISM: Bacillus anthracis
256 <400> SEQUENCE: 3
258 Asp Glx Lys Glx Asn Ala Gln Ala Tyr Val Thr Asp
259 1                               5                               10

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VERIFICATION SUMMARY

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